

VOLUME 6

Author Index

Al-Hadid, M.A. see Wright, J.R.

Avitabile, P.; O'Callahan, J.C. An Efficient Method for Forced Nonlinear Response Using a Structural Dynamic Modification Technique v 6 n 3 p 189-200.

—Understanding Structural Dynamic Modification and the Effects of Truncation v 6 n 4 p 215-235.

Boa, Z.W.; Ko, J.M. Determination of Modal Parameters of Tall Buildings with Ambient Vibration Measurements v 6 n 1 p 57-68.

Bertram, A. see Singal, R.K.

Biswas, M. see Samman, M.M.

Braun, S.G.; Ram, Y.M. Predicting the Effect of Structural Modification: Upper and Lower Bounds Due to Modal Truncation v 6 n 3 p 201-213.

Carfagni, M. Substructuring as a Modal Analysis Design Tool v 6 n 4 p 251-270.

Chen, L.W.; Ku, D.-M. Whirl Speeds and Unbalance Response of a Shaft-Disk System with Flaws v 6 n 4 p 279-289.

Chung, Y.T.; Simonian, S.S. Test/Analysis Model Correlation for the Gamma Ray Observatory v 6 n 3 p 161-173.

Degener, M. see Singal, R.K.

Gaul, L. Calculated and Measured Dynamics of Elastomer Support Mounts v 6 n 1 p 45-55.

Han, S.; McConnell, K.G. Analysis of Frequency Response Functions Affected by the Coupled Modes of the Structure v 6 n 3 p 147-159.

Jara-Almonte, J.; Mitchell, L.D. A Hybrid Eigenproblem Formulation Using the Finite Element Method; Part I: Theory v 6 n 2 p 105-115.

—A Hybrid Eigenproblem Formulation Using the Finite Element Method; Part II: Examples v 6 n 2 p 117-130.

Ju, F.D. see Lu, Y.M.

Ko, J.M. see Bao, Z.W.

Ku, D.-M. see Chen, L.-W.

Lin, A.C.Y. see Tsuei, Y.G.

Lu, Y.M.; Ju, F.D. Probabilistic Distribution of Multiple Cracks in Structures Due to Random Modal Oscillations v 6 n 1 p 25-34.

Maia, N.M.M. Reflections of Some Single-Degree-of-Freedom (SDOF) Modal Analysis Methods v 6 n 2 p 69-80.

McConnell, K.G.; Rogers, J.D. Tutorial: Transducer Requirements for Use in Modal Analysis v 6 n 2 p 131-145.

- McConnell, K.G.** see Han, S.
- Mioduchowski, A.; Nadolski, W.** On Torsional Resonant Deformations of Simplified Nonhomogeneous Drive Systems v 6 n 2 p 81-88.
- Mitchell, L.D.** see Jara-Almonte, J.
- Natsiavas, S.; Nelson, H.D.** Elimination of Rigid Body Modes from Asymmetrical Dynamical Systems v 6 n 1 p 1-11.
- Nadolski, W.** see Mioduchowski, A.
- Nelson, H.D.** see Natsiavas, S.
- O'Callahan, J.C.** see Avitabile, P.
- Pandey, A.K.** see Samman, M.M.
- Prater, G., Jr.; Singh, R.** Complex Modal Analysis of Non-proportionally Damped Continuous Rods v 6 n 1 p 13-24.
- Rade, D.A.** see Steffen, V., Jr.
- Ram, Y.M.** see Braun, S.G.
- Rogers, J.D.** see McConnell, K.G.
- Samman, M.M.; Biswas, M.; Pandey, A.K.** Employing Pattern Recognition for Detecting Cracks in a Bridge Model v 6 n 1 p 35-44.
- Simonian, S.S.** see Chung, Y.T.
- Singal, R.K.; Vigneron, F.R.; Steele, T.; Bertram, A.; Degener, M.** Comparison of Different Methods of Modal Test on a Spacecraft Representative Structure v 6 n 3 p 175-187.
- Singh, R.** see Prater, G., Jr.
- Steele, T.** see Singal, R.K.
- Steffen, V., Jr.; Rade, D.A.** An Identification Method of Multi-Degree-Of-Freedom Systems Based on Fourier Series v 6 n 4 p 271-278.
- Tsuei, Y.G.; Yee, E.K.L.; Lin, A.C.Y.** Physical Interpretation and Application of Modal Force Technique v 6 n 4 p 237-250.
- Vigneron, F.R.** see Singal, R.K.
- Wright, J.R.; Al-Hadid, M.A.** Sensitivity of the Force-State Mapping Approach to Measurement Errors v 6 n 2 p 89-103.
- Yee, E.K.L.** see Tsuei, Y.G.

Title Index

- Analysis of Frequency Response Functions Affected by the Coupled Modes of the Structure. S. Han; K.G. McConnell v 6 n 3 p 147-159.
- Calculated and Measured Dynamics of Elastomer Support Mounts. L. Gaul v 6 n 1 p 45-55.
- Comparison of Different Methods of Modal Test on a Spacecraft Representative Structure. R.K. Singal; F.R. Vigneron; T. Steele; A. Bertram; M. Degener v 6 n 3 p 175-187.
- Complex Modal Analysis of Non-proportionally Damped Continuous Rods. G. Prater, Jr.; R. Singh v 6 n 1 p 13-24.
- Determination of Modal Parameters of Tall Buildings with Ambient Vibration Measurements. Z.W. Bao; J.M. Ko v 6 n 1 p 57-68.
- Efficient Method for Forced Nonlinear Response Using a Structural Dynamic Modification Technique. P. Avitabile; J.C. O'Callahan v 6 n 3 p 189-200.
- Elimination of Rigid Body Modes from Asymmetrical Dynamical Systems. S. Natsiavas; H.D. Nelson v 6 n 1 p 1-11.
- Employing Pattern Recognition for Detecting Cracks in a Bridge Model. M.M. Samman; M. Biswas; A.K. Pandey v 6 n 1 p 35-44.
- Hybrid Eigenproblem Formulation Using the Finite Element Method; Part I: Theory. J.Jara-Almonte; L.D. Mitchell v 6 n 2 p 105-115.
- Hybrid Eigenproblem Formulation Using the Finite Element Methods; Part II: Examples. J.Jara-Almonte; L.D. Mitchell v 6 n 2 p 117-130.
- Identification Method of Multi-Degree-Of-Freedom Systems Based on Fourier Series. V. Steffen, Jr.; D.A. Rade v 6 n 4 p 271-278.
- Physical Interpretation and Application of Modal Force Technique. Y.G. Tsuei; E.K.L. Yee; A.C.Y. Lin v 6 n 4 p 237-250.
- Predicting the Effect of Structural Modification: Upper and Lower Bounds Due to Modal Truncation. S.G. Braun; Y.M. Ram v 6 n 3 p 201-213.
- Probabilistic Distribution of Multiple Cracks in Structures Due to Random Modal Oscillations. Y.M. Lu; F.D. Ju v 6 n 1 p 25-34.
- Reflections on Some Single-Degree-of-Freedom (SDOF) Modal Analysis Methods. N.M.M. Maia v 6 n 2 p 69-80.
- Sensitivity of the Force-State Mapping Approach to Measurement Errors. J.R. Wright; M.A. Al-Hadid v 6 n 2 p 87-103.
- Substructuring as a Modal Analysis Design Tool. M. Carfagni v 6 n 4 p 251-270.
- Test/Analysis Model Correlation for the Gamma Ray Observatory. Y.T. Chung; S.S. Simonian v 6 n 3 p 161-173.
- Torsional Resonant Deformations of Simplified Nonhomogeneous Drive Systems. A. Mioduchowski; W. Nadolski v 6 n 2 p 81-88.
- TUTORIAL:** Transducer Requirements for Use in Modal Analysis. K.G. McConnell; J.D. Rogers v 6 n 2 p 131-145.
- Understanding Structural Dynamic Modification and the Effects of Truncation. P. Avitabile; J.C. O'Callahan v 6 n 4 p 215-235.
- Whirl Speeds and Unbalance Response of a Shaft-Disk System with Flaws. L.-W. Chen; D.-M. Ku v 6 n 4 p 279-289.

